

# MASTERFILL WSM109

## Performance Benefits and Overview

WSM109 contains mainly CaCO<sub>3</sub> Calcium Carbonate powder, resin and some additives. CaCO<sub>3</sub> made natural mineral calcite with high pure over 99 %, high whiteness > 96 %, treatment surface by additive and use perfect technology. This product used to replace one of part virgin resin, from that help save cost for the end product and improved some properties such as: whiteness, hardness, strength.

CaCO <sub>3</sub> Powder Content	82±1 %
Purity	96-98%
Mean particle size (D50)	2 μm
Carrier Resin	PE
Melt Mass- Flow Rate (190°C/2.16kgs)	0.1-1 g/10 mins
Humidity	0.06 wt %
Processing Temperature	140-280°C

### Main Features

Good Dispersion	✓
Gloss Finish	✓
Food Contact	✓
Good Processability	✓
High Light Fastness	✓
Excellent Heat Resistance	✓
Increase Hardness	✓

Depending on processing parameters or local specifications. It is advisable to check with our sales to commercial production.

WSM109	Polymer Compatibility				Standard Packaging	Certificate
	LLDPE	HDPE	LDPE	PP	25 kg bags (pallet 1350kg) Jumbo Bag (1200 kg)	FDA, REACH, ISO 9001-2015
	✓	✓	✓	✓		

Main Application	Properties	Dosage
Blow Film (Roll bags, T-shirt bags, Garbage bags)	PE Film thickness from 12 micron	Upto 30 %
	PE Film thickness from 30 micron	Upto 50 %
Injection Molding (HDPE Crates, paint buckets)		Upto 15 %
HDPE Blow Molding (Jerry cans/bottles)		Upto 35 %